

Datasheet for ABIN499289

**anti-APAF1 antibody (C-Term)**[Go to Product page](#)**2** Images

## Overview

Quantity:	0.1 mg
Target:	APAF1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APAF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Human Apaf1 (C-Terminus) Peptide
Isotype:	IgG
Specificity:	Apaf1 antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human Apaf1. The sequence of the immunogenic peptide differs from that of murine Apaf1 by one amino acid .
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	APAF1
Alternative Name:	APAF1 ( <a href="#">APAF1 Products</a> )

## Target Details

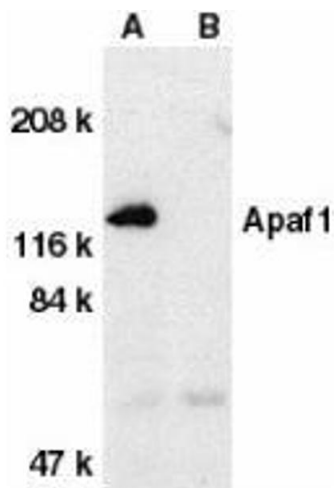
Background:	Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. The mammalian homologous of the key cell death gene CED-4 in <i>C. elegans</i> was identified recently from human and mouse and designated Apaf1 for apoptosis protease-activating factor 1 (1,2). Apaf1 binds to cytochrome c (Apaf2) and caspase-9 (Apaf3), which leads to caspase-9 activation. Activated caspase-9 in turn cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis (3). Apaf1 can also associate with caspase-4 and caspase-8 (4). Apaf1 transcript is ubiquitously expressed in human tissues .Synonyms: Apaf-1, Apoptotic protease-activating factor 1, KIAA0413
Gene ID:	317
UniProt:	<a href="#">O14727</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Tube Formation</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Application Notes:	ELISA. Western Blot: Apaf1 antibody can be used for detection of Apaf1 at 0.5 - 1 µg/mL. Humanheart tissue lysate can be used as positive control and a 130 kDa band should be detected. Immunohistochemistry Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

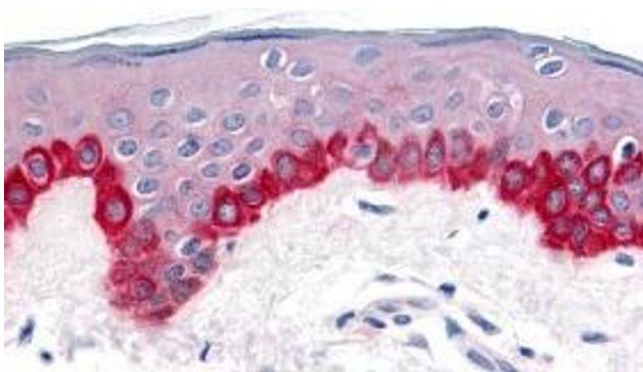
## Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



**Western Blotting**

**Image 1.** Western blot analysis of Apaf1 in human heart tissue lysate with AP30056PU-N Apaf1 antibody at 1 µg/ml dilution in the absence (A) or presence (B) of blocking peptide.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of Apaf1 in human skin tissue with Apaf1 antibody at 20 µg/ml.